

FIG. 1

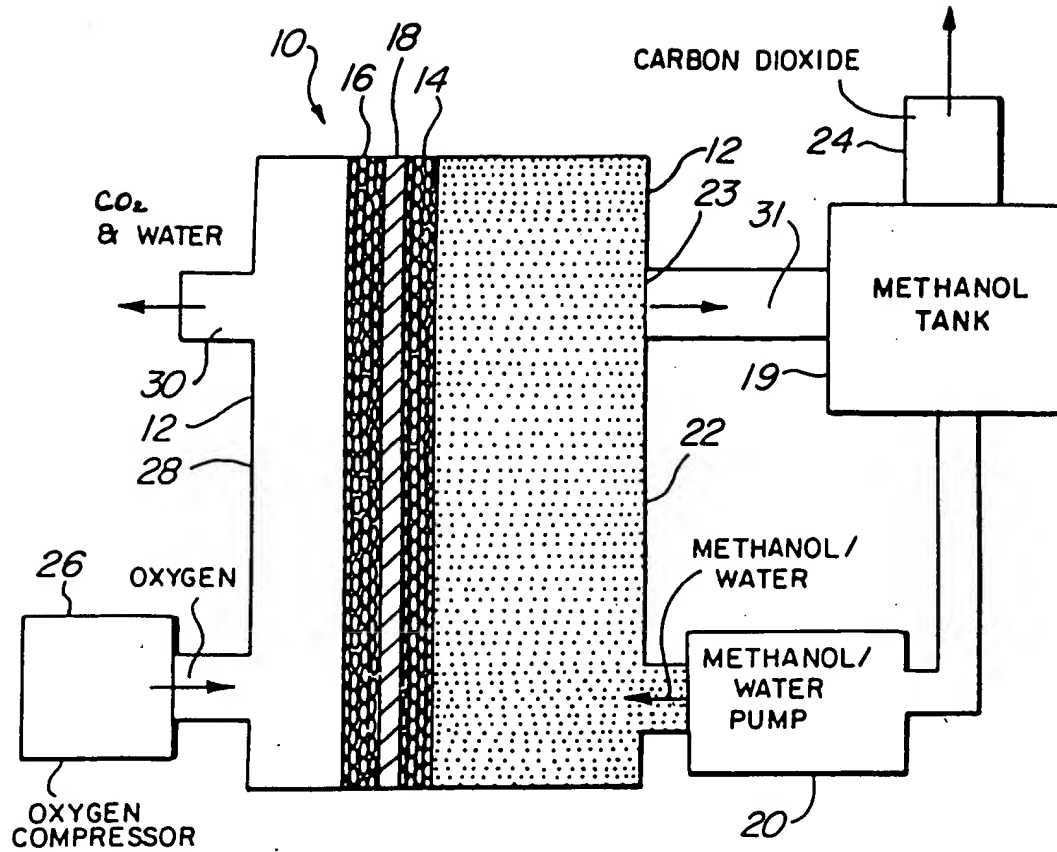


FIG. 4

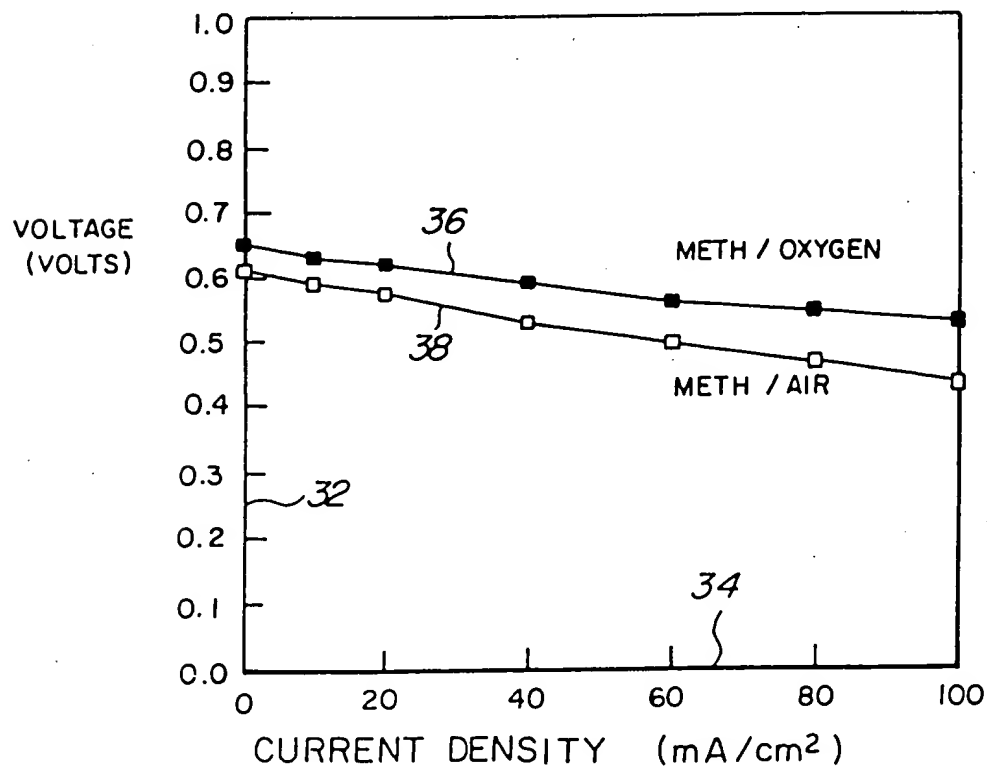


Figure 1 is a semi-logarithmic plot showing the potential (Volts vs. NHE) versus current density (mA/cm²) for the reduction of 1,2-dichloroethane. The y-axis represents the potential in Volts vs. NHE, ranging from 0.2 to 0.8. The x-axis represents the current density in mA/cm², on a logarithmic scale from 10⁰ to 10². Two curves are plotted: Curve 41 (open circles) and Curve 43 (filled circles). Curve 41 starts at approximately 0.7 V at 10⁰ mA/cm² and decreases to about 0.3 V at 10² mA/cm². Curve 43 starts at approximately 0.5 V at 10⁰ mA/cm² and decreases to about 0.2 V at 10² mA/cm².

FIG. 3

FIG. 5

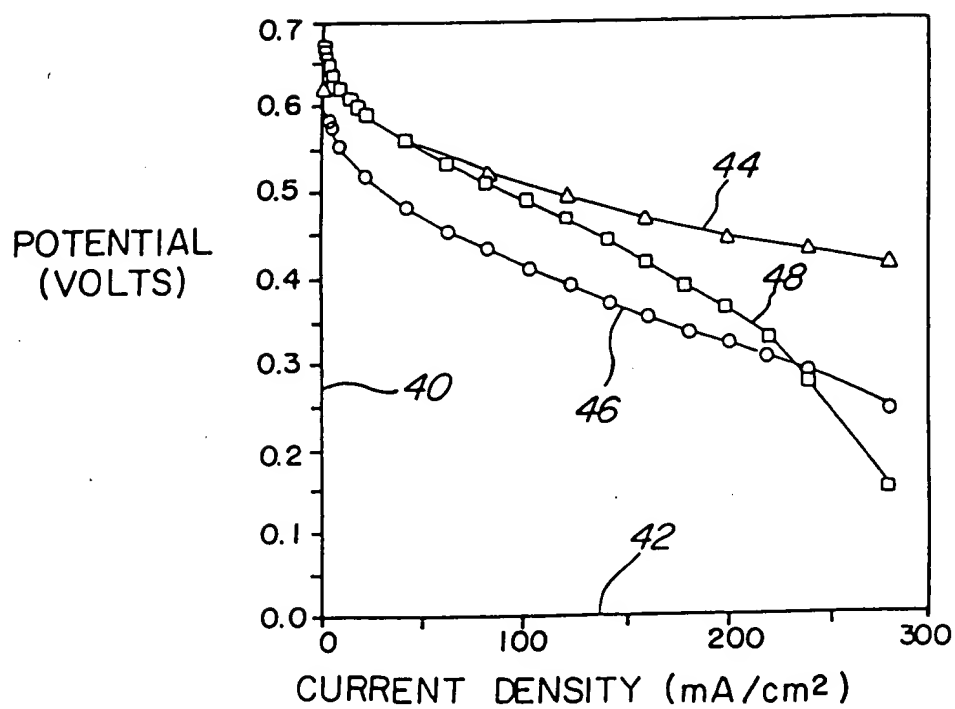
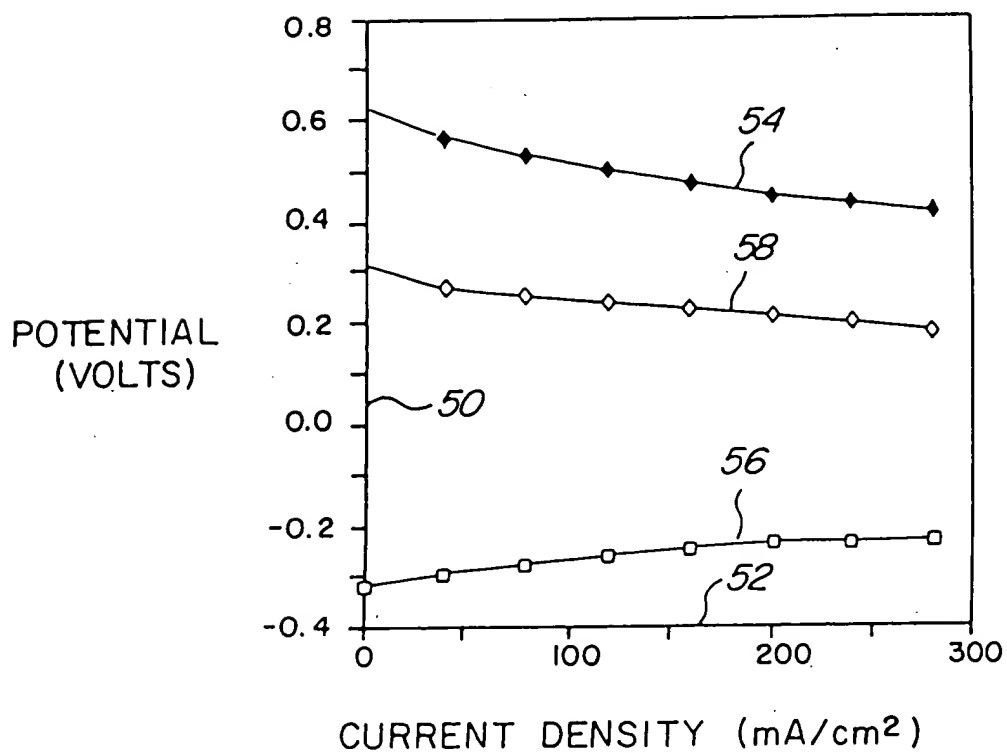


FIG. 6



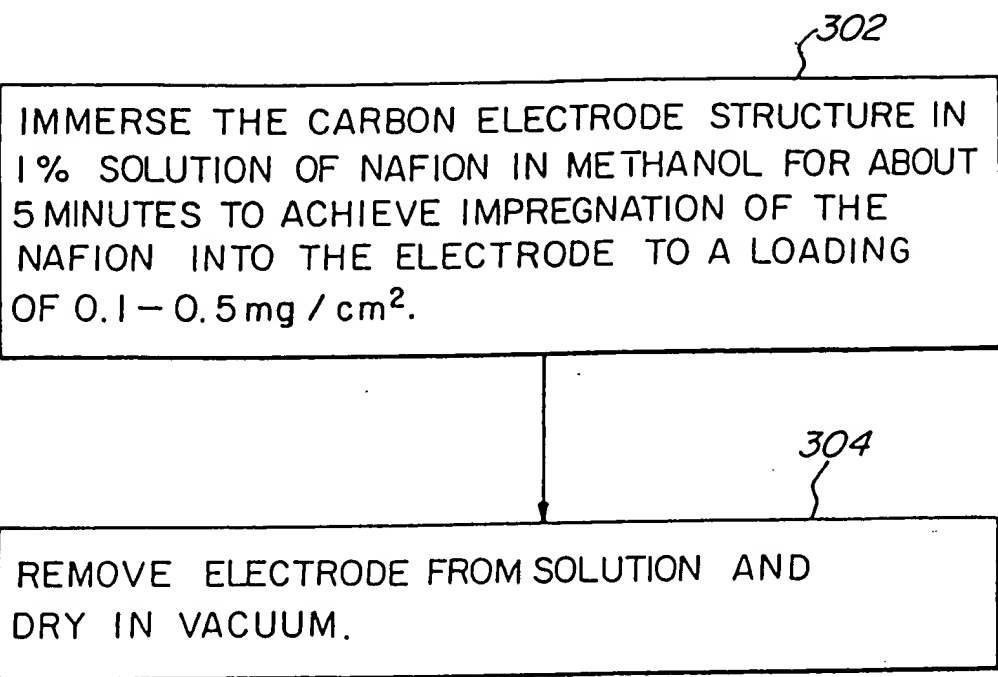


FIG. 7

FIG. 11

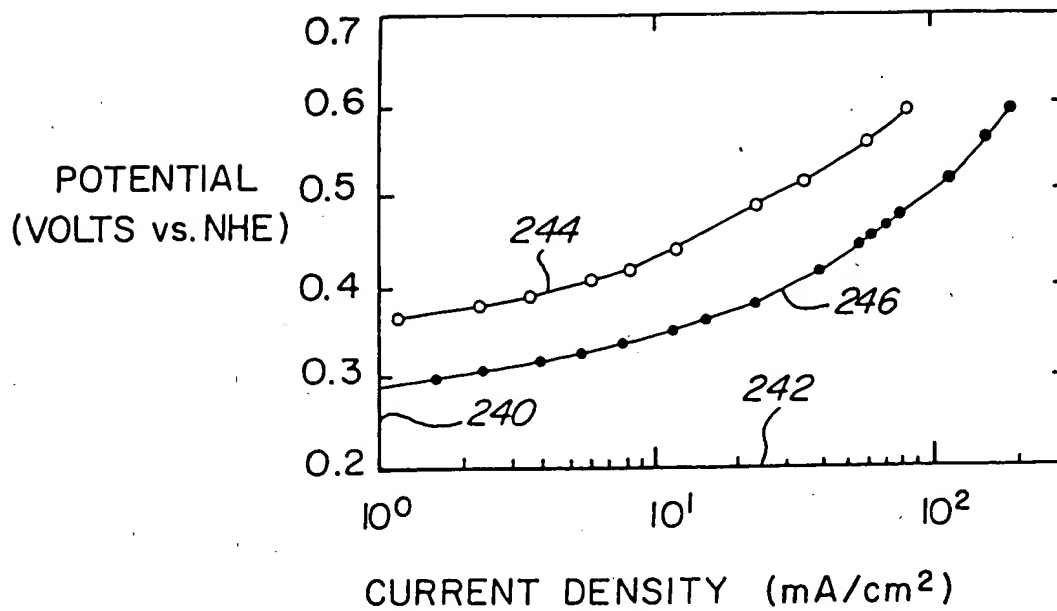
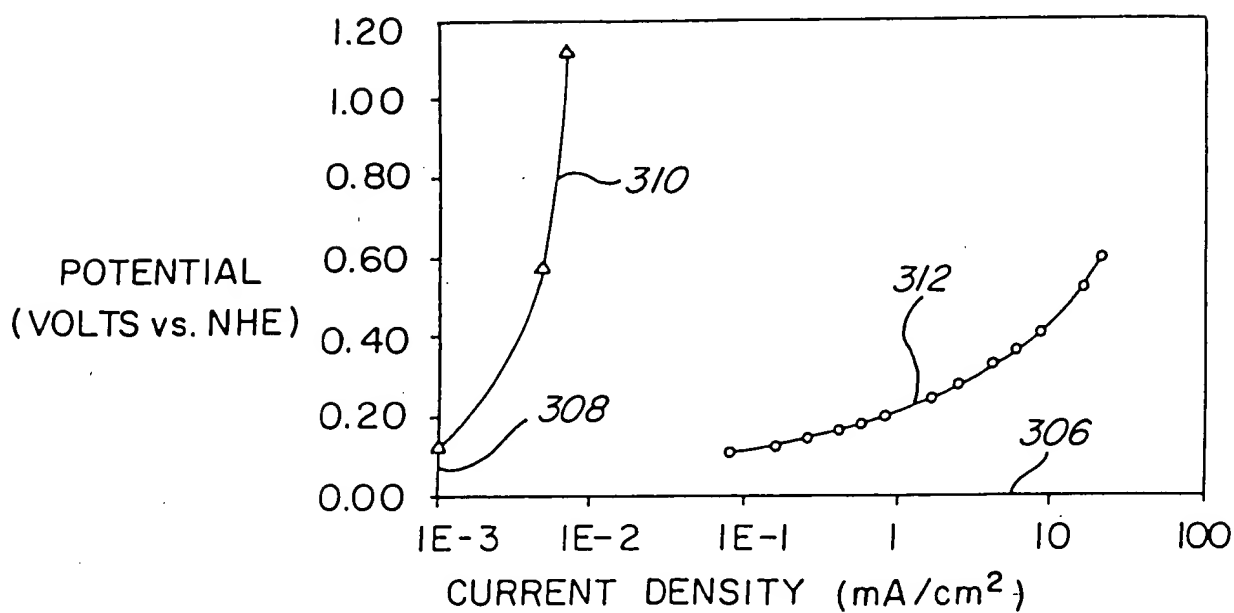


FIG. 8



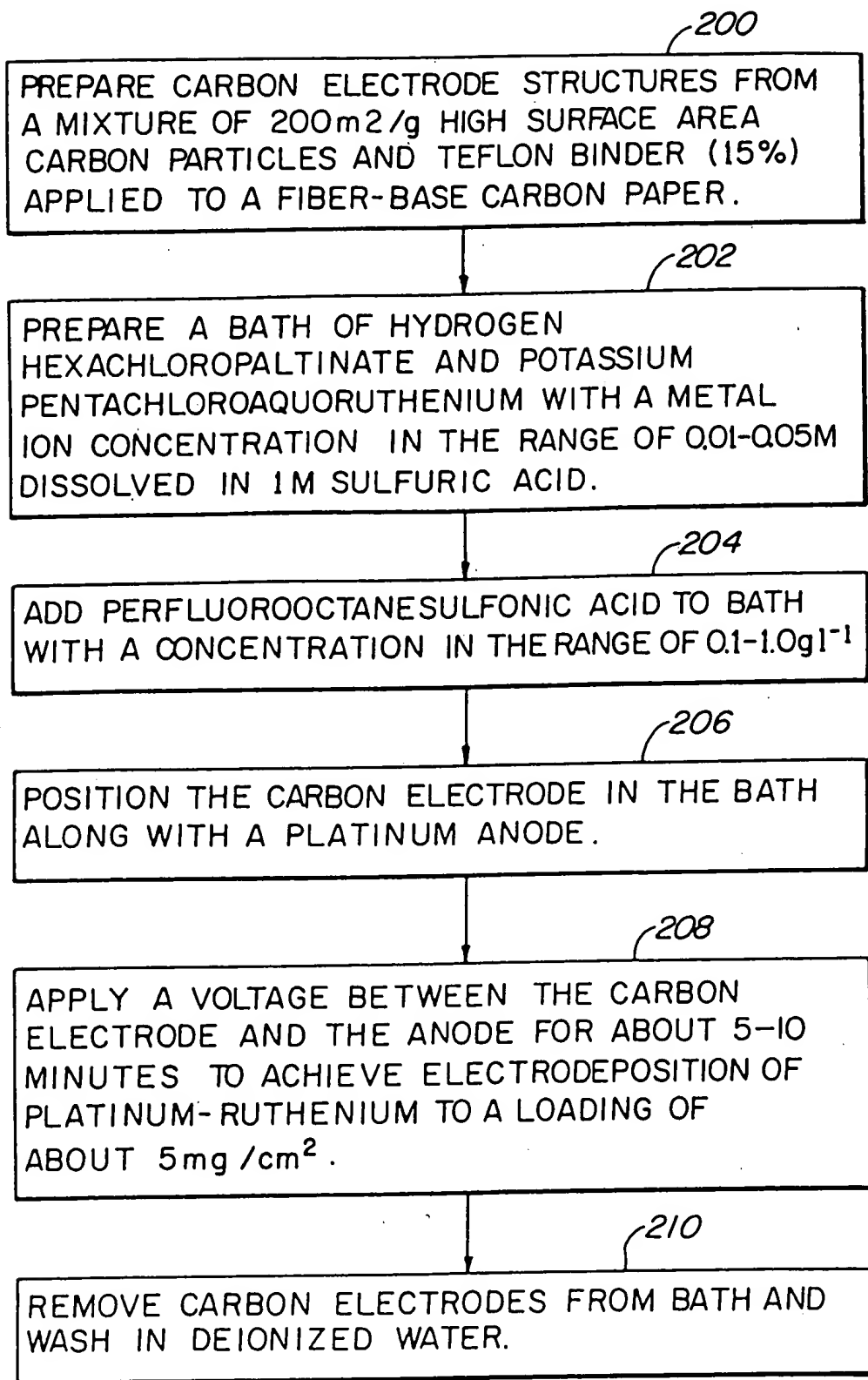
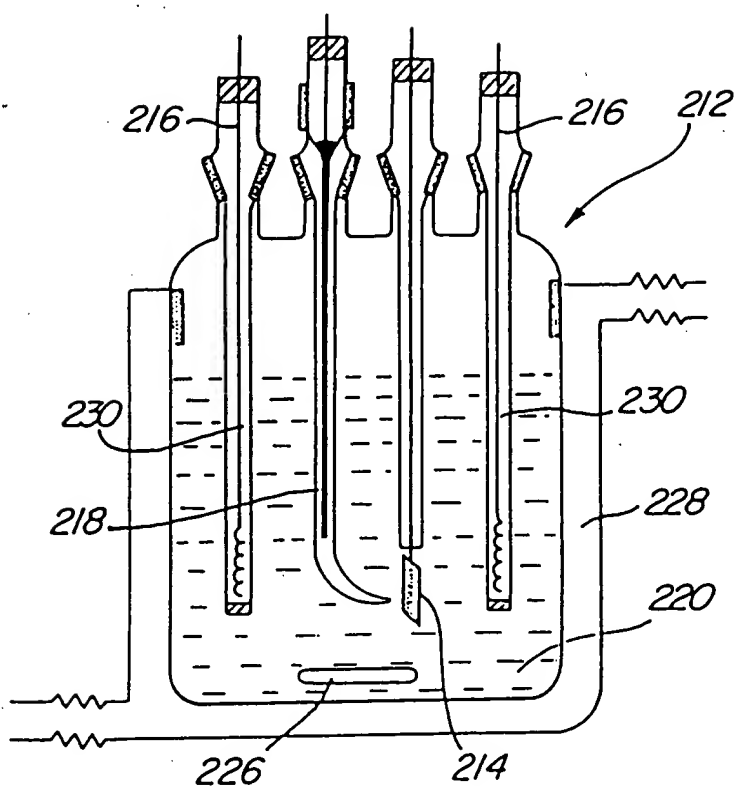


FIG. 9

FIG. 10



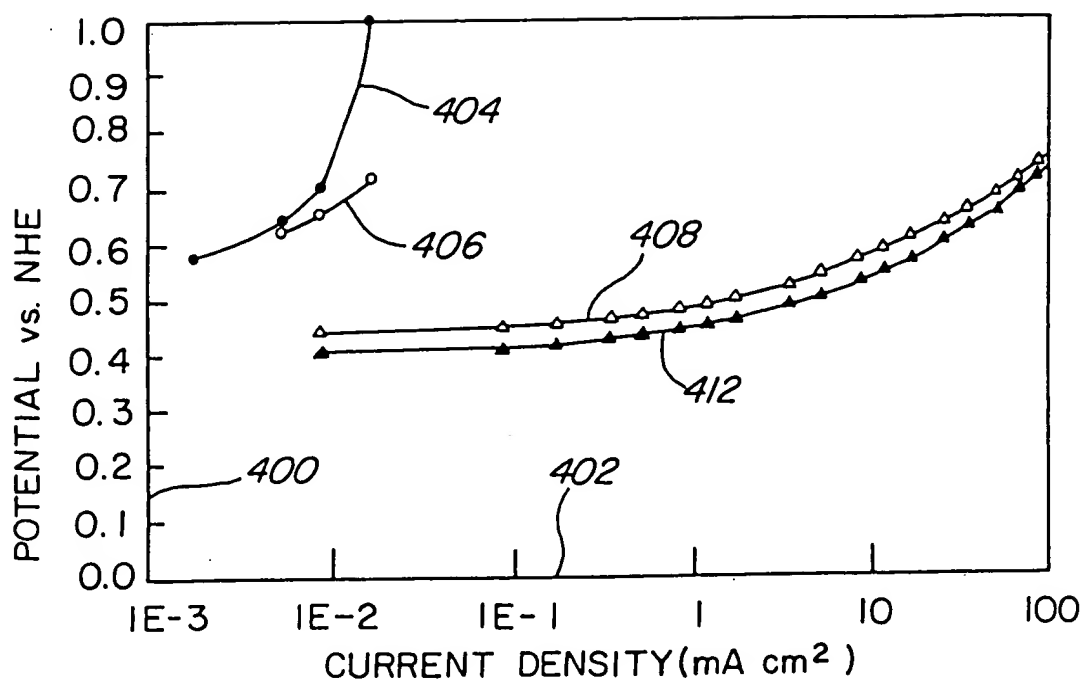


FIG. 12

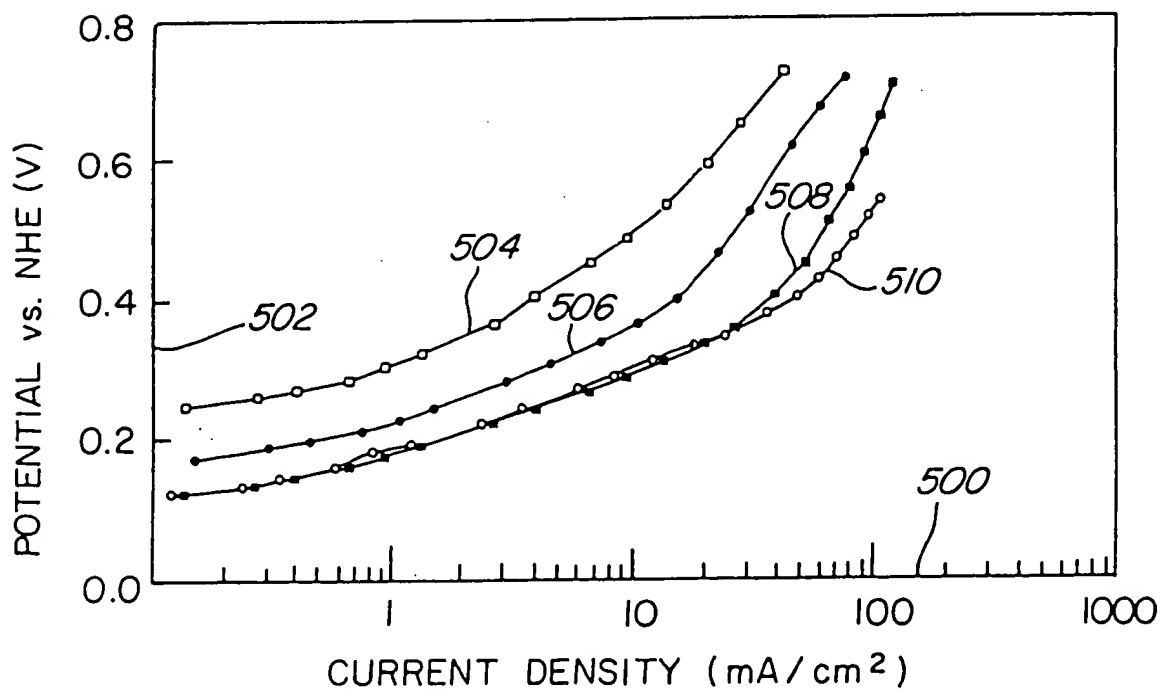


FIG. 13

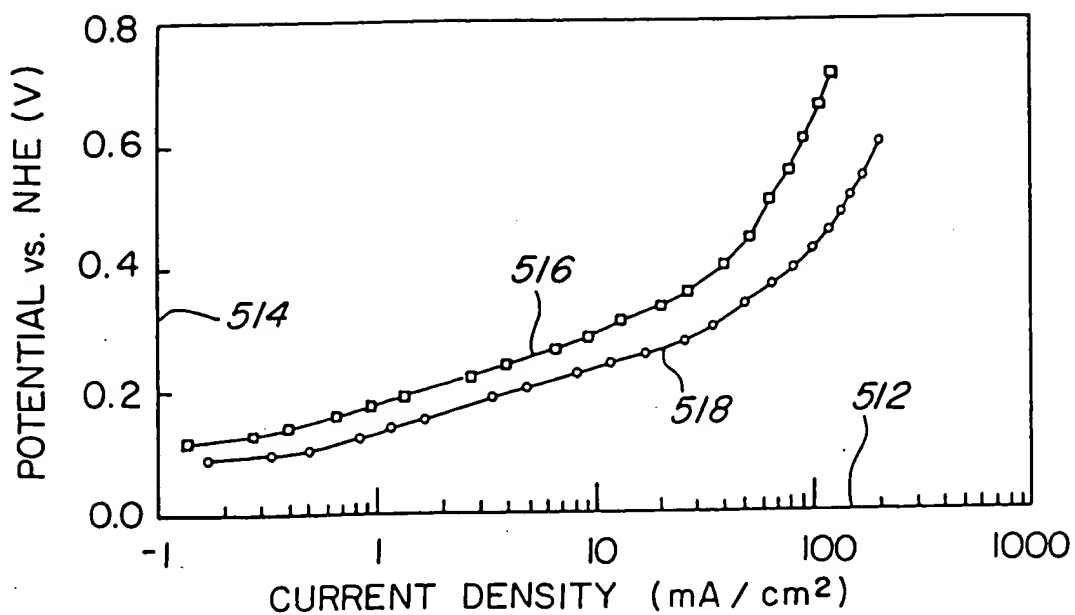


FIG. 14

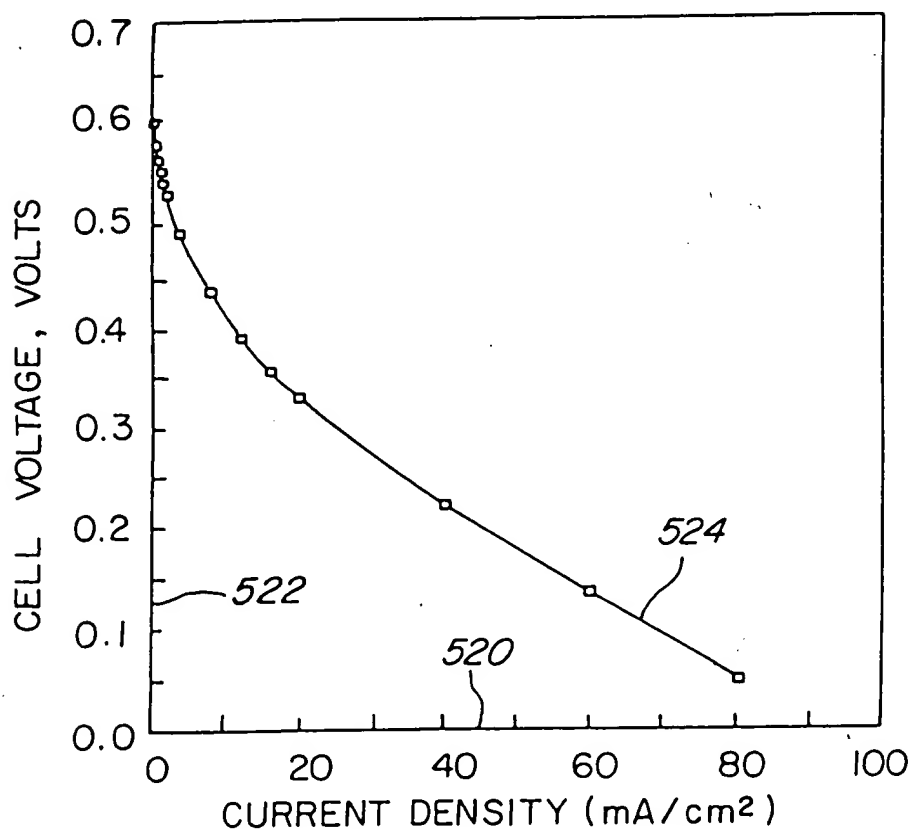


FIG. 15

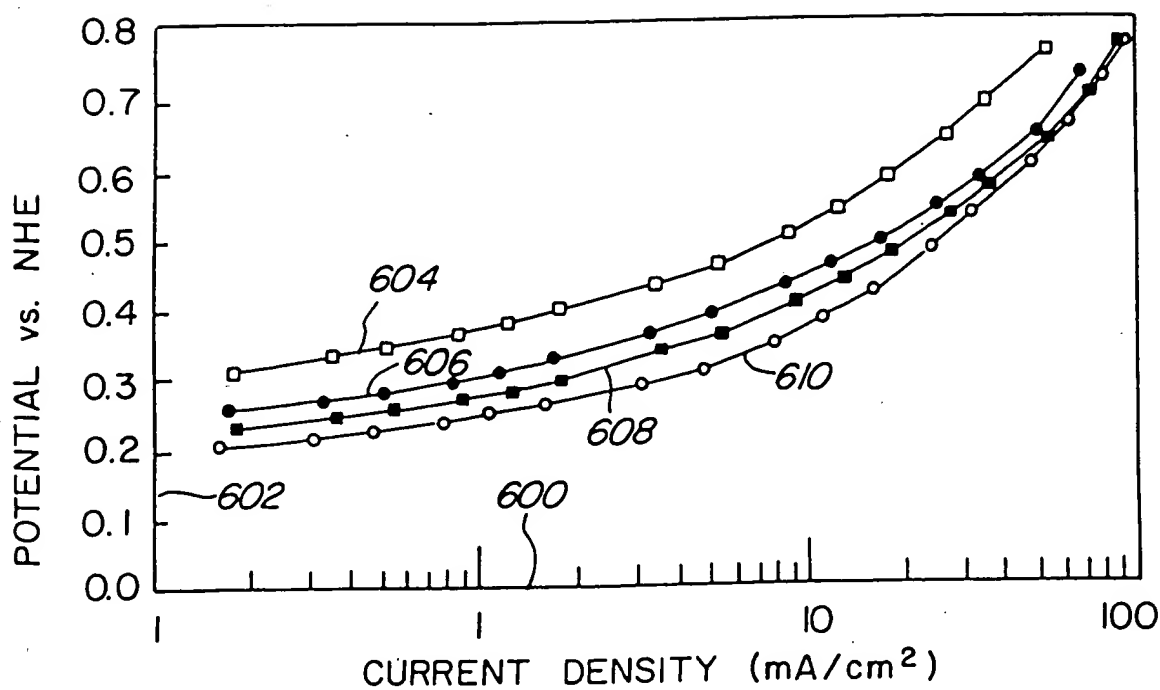


FIG. 16

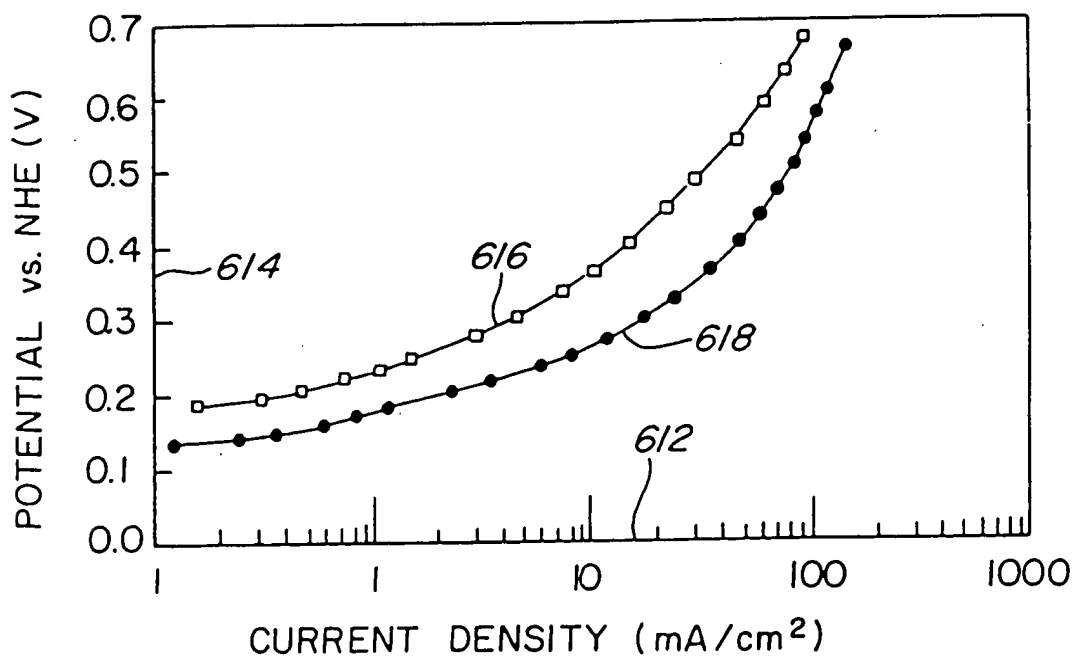


FIG. 17

Figure 1 is a line graph showing the relationship between Cell Voltage (Volts) on the y-axis and Current Density (mA cm^{-2}) on the x-axis. The y-axis ranges from 0.3 to 0.7 with major ticks every 0.1 units. The x-axis ranges from 0 to 300 with major ticks every 100 units. Three data series are plotted: 620 (circles), 622 (squares), and 624 (triangles). All three series show a decreasing trend in cell voltage as current density increases. Curve 620 is the uppermost, followed by 622, and then 624.

| Current Density (mA cm^{-2}) | Cell Voltage (Volts) - 620 | Cell Voltage (Volts) - 622 | Cell Voltage (Volts) - 624 |
|---|----------------------------|----------------------------|----------------------------|
| 0 | 0.65 | 0.65 | 0.65 |
| 10 | 0.62 | 0.61 | 0.58 |
| 20 | 0.60 | 0.59 | 0.56 |
| 30 | 0.58 | 0.57 | 0.54 |
| 40 | 0.56 | 0.55 | 0.52 |
| 50 | 0.54 | 0.53 | 0.50 |
| 60 | 0.52 | 0.51 | 0.48 |
| 70 | 0.50 | 0.49 | 0.46 |
| 80 | 0.48 | 0.47 | 0.44 |
| 90 | 0.46 | 0.45 | 0.42 |
| 100 | 0.44 | 0.43 | 0.40 |
| 150 | 0.40 | - | 0.36 |
| 200 | 0.36 | - | 0.32 |

POTENTIAL vs. NHE

702

704

706

708

710

700

CURRENT DENSITY (mA/cm^2)

FIG. 19

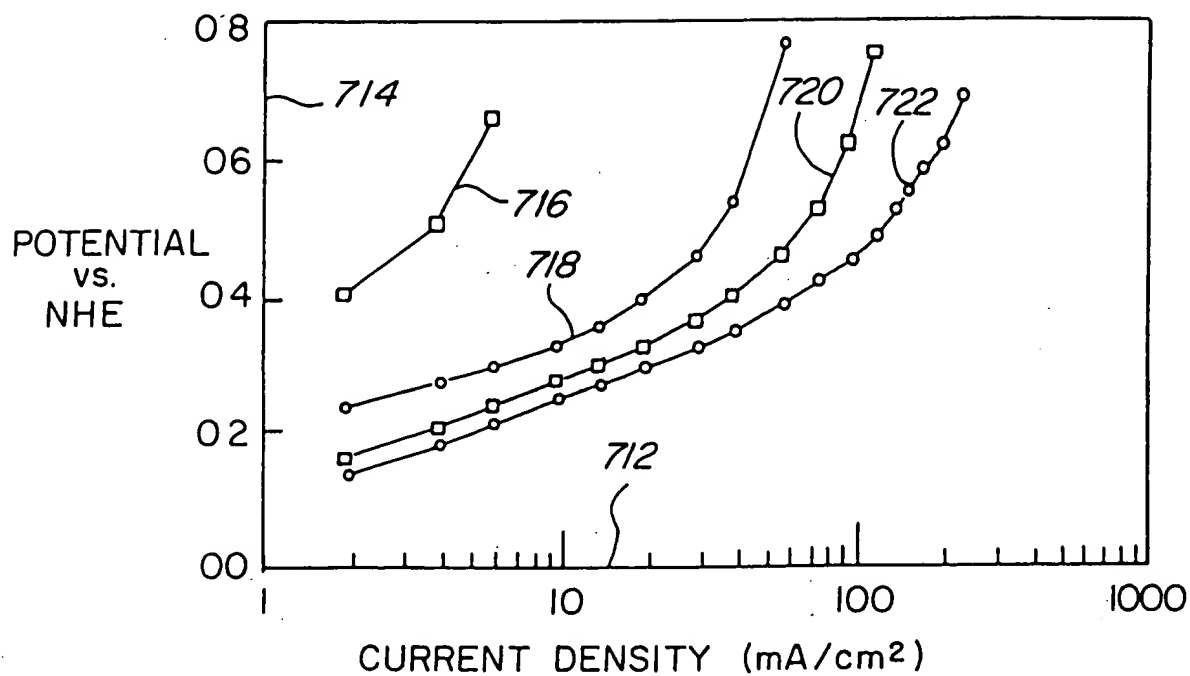


FIG. 20

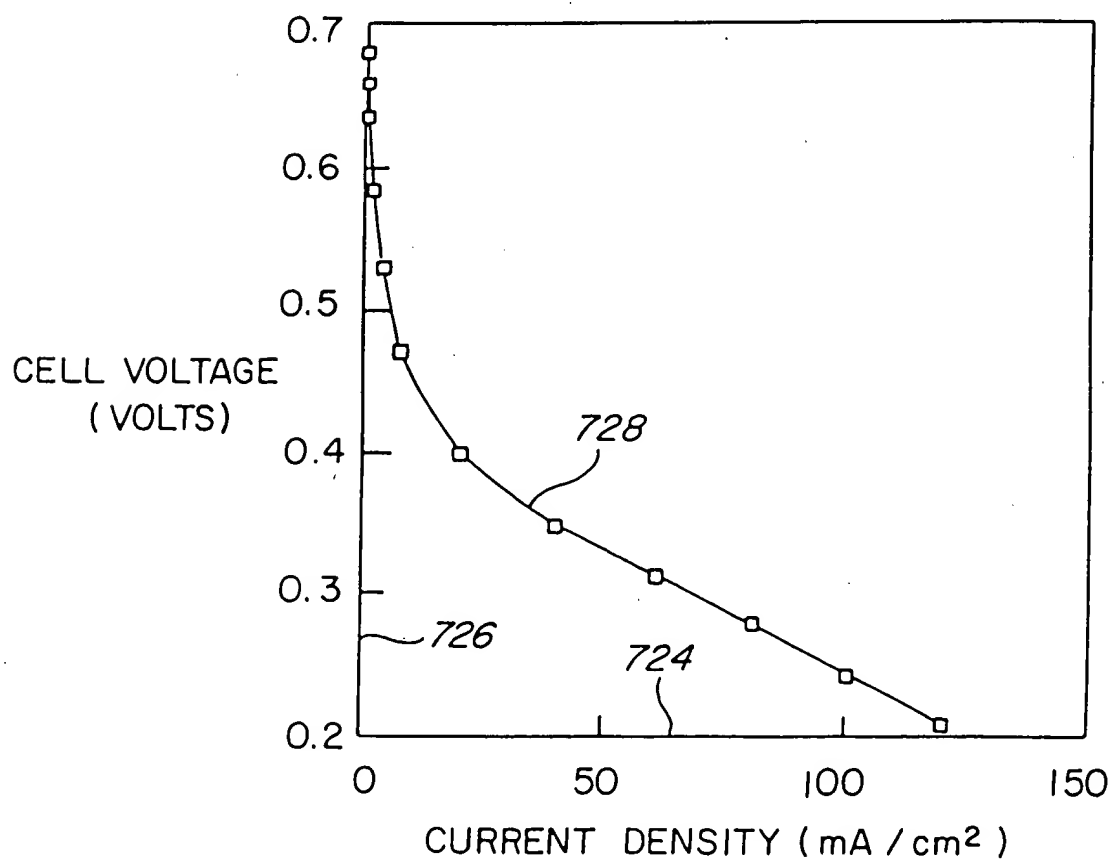


FIG. 21